



STATEMENT OF COMPLIANCE

IEC TR 62778 Application of IEC 62471 for the assessment of
blue light hazard to light sources and luminaires

PROJECT No.: 4789818846.4

Applicant: NERI S.P.A.
SS Emilia, 1622 - Longiano (FC) 47020 - Italy

Product: Luminaries for road and street lighting with
LEDs as light source

Manufacturer: NERI S.P.A.
SS Emilia, 1622 - Longiano (FC) 47020 - Italy

Trademark: **NERI**

Model/Type: NEBULA L+ST

Ratings: 230 V ~ 50/60 Hz 43 W 4000 K

Test Standards: EN 13032-4
IEC TR 62778:2014

UL Test Report No.: 4789818846.4-2

**Lamp Classification
Group:** RISK GROUP 1

Dthr: 1,85 m

The product complies with the technical report IEC TR 62778:2014 table C.2. This statement of compliance applies only to the particular sample of the product and its technical documentation provided for testing. It is the responsibility of the company shown above that the products are in compliance with the applicable requirements. The detailed test results are described in the test report mentioned above. This statement does not imply assessment of the production and does not permit the use of UL's logo.

2021-03-25
Date of issue

Fausto Pedroni
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Reviewer

**Luminous intensity evaluation:**

Full evaluation has been carried out on model NEBULA L+PR equipped with LED model Luxeon COB L2C5-40801216F2300 (4000K CRI 80) with Lens LEDil Stella Type IV that was considered as the worst case due to maximum intensity delivered. Max luminous intensity is 2922 cd.

Table C.2 – Illuminance values giving risk group not greater than RG1

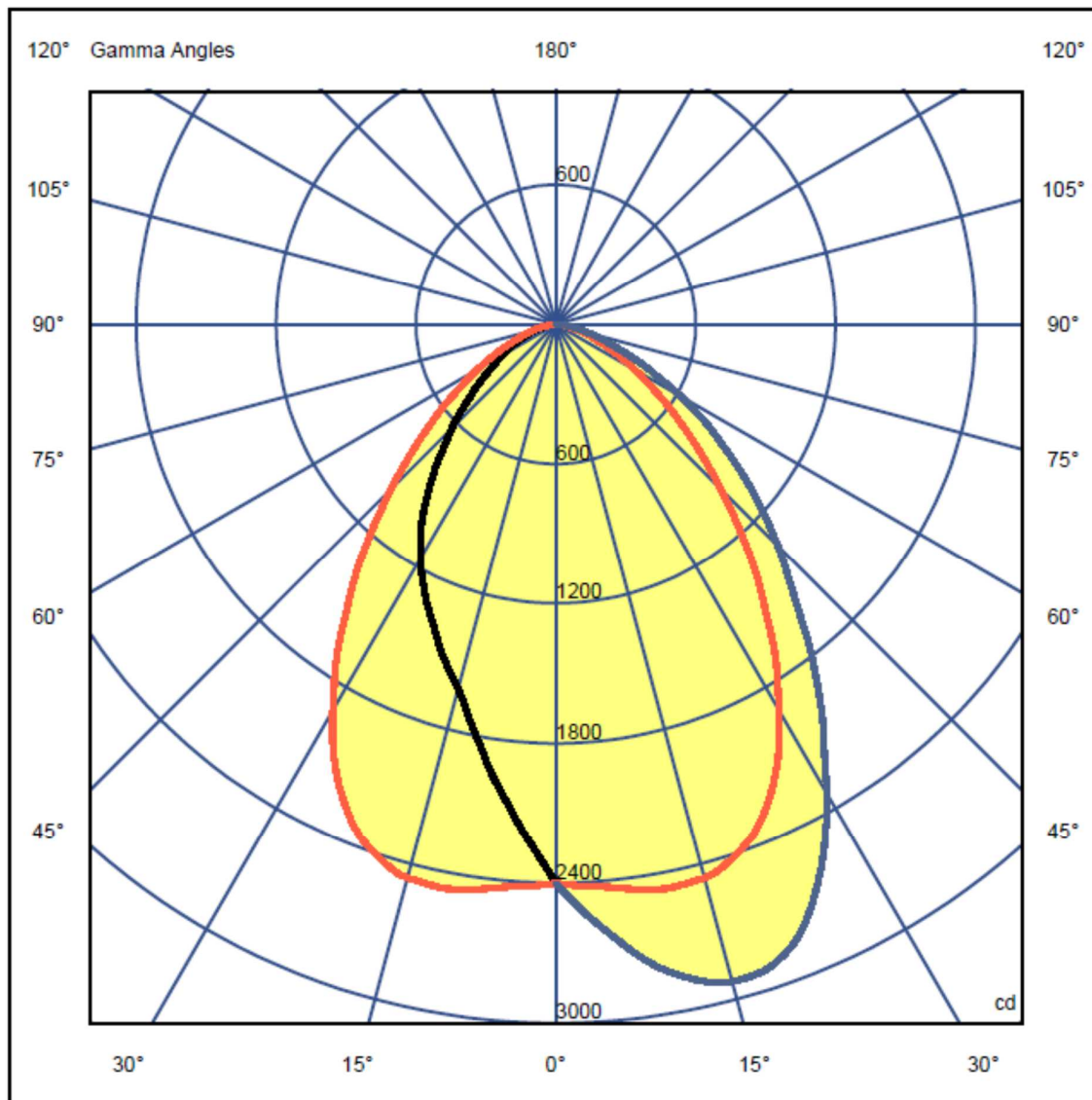
Rated CCT K	Illuminance <i>E</i> lx
$CCT \leq 2\,350$	4\,000
$2\,350 < CCT \leq 2\,850$	1\,850
$2\,850 < CCT \leq 3\,250$	1\,450
$3\,250 < CCT \leq 3\,750$	1\,100
$3\,750 < CCT \leq 4\,500$	850
$4\,500 < CCT \leq 5\,750$	650
$5\,750 < CCT \leq 8\,000$	500

Photometric test results:

Total Luminous Flux: 4536 lm

System Efficacy: 106,3 lm/W

Peak Intensity: 2922,25 cd

**Polar Plot:**



Picture of the tested sample

